



# ***Keep Montgomery County Beautiful Storm Drain Marking Program***



***Department of Public Works and Transportation***



Effective 04/26/05

## **KEEP MONTGOMERY COUNTY BEAUTIFUL PROGRAM**

### **STORM DRAIN MARKING OR PAINTING PROJECT** **FOR MONTGOMERY COUNTY**

Storm drains are located throughout the Chesapeake Bay Watershed, including Montgomery County. When it rains, the water that runs down along the gutters on our street “disappears” down the storm drains.

Have you ever stopped to wonder where all the water goes? It does not go to a wastewater treatment plant. Therefore nothing is removed from the water. Anything that goes into your storm drain goes directly into our local stream, which feeds into a river and eventually empties into the Chesapeake Bay.

Your neighborhood stream is linked to the Chesapeake Bay. You can help clean up the Chesapeake Bay by applying plastic markers or painting via stencils the words “Don't Dump - Chesapeake Bay Drainage” on storm drains in your neighborhood. This message will help members of our community remember that nothing but rainwater should enter the storm drains.

We are asking civic associations and organizations to help spread the word. Storm drains are not trashcans. Whatever is dumped into storm drains ends up in the Chesapeake Bay.

#### **Prior to Marking or Painting:**

A. Return application at least 30 days before project is to begin with the following information:

- The neighborhood in which you want to work;
- Who is doing the project; and
- Who will provide supervision.

Allow two weeks for written approval.

B. Inform your association/organization membership and ask for their support. Provide the following information:

- Purpose of project;
- Dates of project, with a rain date; and
- A contact person for residents who have questions.

Ask residents to move cars blocking storm drains.

## ITEMS TYPICALLY PLACED IN STORM DRAINS

### MOTOR OIL

**Problem:** When poured down the gutter or storm drain, motor oil travels to your local stream where it damages or kills underwater vegetation and aquatic life. One quart of oil can contaminate up to two million gallons of drinking water or create an eight-acre oil slick.

**Solution:** Put used motor oil in a sturdy container, such as a plastic milk jug, and take it to the nearest collection center. To find the collection center nearest you, call the Maryland Environmental Service at 1-800-492-9188

### ANTI-FREEZE

**Problem:** Anti-freeze is a highly toxic chemical. It is poisonous to people, as well as fish, birds, and pets.

**Solution:** Ask your local service station to add it to their anti-freeze storage drum. Remember not to mix your anti-freeze with any other substance!

### PAINT

**Problem:** Many paint products harm people, animals, and the environment when improperly used or thrown out.

**Solution:** Donate paint (but not lead paint!) to community groups, schools, local theaters, or other interested organizations. For small quantities of latex or oil-based paints, stuff the can loosely with newspaper, allow it to dry, reseal and discard in trash. Drop off at appropriate hazardous waste sights on designated days. For additional information call the Department of Public Works and Transportation, Division of Solid Waste Services at 240-777-6410.

## YARD WASTE

**Problem:** When left in the gutter or dumped into storm drains, yard wastes travel directly to the Bay. Once in the water, yard wastes decompose rapidly, adding excessive nutrients to the Bay, which are detrimental to Bay wildlife. Yard wastes also clog storm drains, rendering them ineffective and causing localized flooding.

**Solution:** Instead of throwing your yard clippings away, compost them. Then use the compost to condition your soil. Check gardening books to learn how to compost or call the Master Recycler/Composter volunteer program hotline at (301) 590-0046.

## PLASTICS

**Problem:** Plastic and foam containers wash into storm drains and into the Bay. They do not decompose. Plastics kill wildlife when eaten by animals or when they become entangled in them.

**Solution:** Minimize your use of these products and make sure that the plastics you do use get put in the trash. If you see plastic litter, pick it up so that it does not get washed or blown into the storm drain, gutter, or local stream.



## STORM DRAIN MARKERS CHECKLIST/SIGN-OUT LOG

WE SUPPLY THE KEEP MONTGOMERY COUNTY BEAUTIFUL STORM DRAIN DECAL KIT:

- \_\_\_\_\_ Decals: "NO DUMPING—DRAINS TO YOUR RIVER"
- \_\_\_\_\_ Tube of adhesive (1 per 12 decals)
- \_\_\_\_\_ Latex gloves (2 pairs, if available)
- \_\_\_\_\_ Wire brush (1 or 2)
- \_\_\_\_\_ Instructions for mounting the decal

YOU SUPPLY:

- At time of check-out of decals the permission slip signed by civic/homeowner official
- Rags to remove excess adhesive
- Volunteer labor
- Commitment to return materials within four (4) weeks after check-out

Name of Organization: \_\_\_\_\_ Date of project: \_\_\_\_\_

Materials received by: \_\_\_\_\_ on: \_\_\_\_\_  
(Contact person for group/organization-please print)

Signed: \_\_\_\_\_

Email Address \_\_\_\_\_ Telephone Number \_\_\_\_\_

**NOTE:** *Materials must be returned within four (4) weeks of check-out!*

FOR OFFICE USE ONLY	
Materials returned by (date): _____	Received by: _____

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# INSTALLATION INSTRUCTIONS

## das CURB MARKER ADHESIVE #RS-222

### Please Read Before Installation

- Read Cautionary Statement and First Aid Procedures.
- Surfaces to be bonded must be clean, dry and free of any loose debris.
- If the application surface is painted; all loose paint should be removed. An installation should then be made and tested for adhesion before proceeding further.
- Follow installation instructions carefully.
- Application surface must be flat. The das Curb Marker will not conform to uneven or curved surfaces.

Please contact das Manufacturing, Inc. if you have ANY questions regarding proper installation technique or special requirements.

		
<p>Clean application surface with wire brush. Surface must be clean, dry, and free of any loose debris. <i>The presence of any foreign material (paint, oil, etc.) may affect adhesion.</i></p>	<p>Apply adhesive to the back of the marker as shown. Start 1/8" in from the outside edge applying an even bead around the entire edge and then work to the center.</p>	<p>Place the marker on the application surface. Push down HARD with a twisting motion forcing adhesive out from the edge. It is important that the entire edge of the marker is sealed to the application surface.</p>

At 75° F, adhesive will skin over in 1-hour, become hard to the touch in 4 hours, and achieve a full cure in 18 hours.

### Hints for Use

- ✦ It is not necessary to use a large amount.
- ✦ Push down on the marker so that it is "tight" to the surface. Large amounts of adhesive trapped under the surface of the marker can retard cure time.
- ✦ Make sure that the edge has approximately 1/8" of adhesive all around to seal edge to the surface.
- ✦ Wash hands with hand cleaner then soap and water.

**DANGER:** Extremely flammable. Vapor harmful. Vapors may ignite explosively. Use only in well ventilated area. Keep away from and do not use near heat, sparks, and open flame. Do not smoke. Extinguish or remove from area all sources of ignition during use and until all vapors are gone. Keep container closed when not in use and store at room temperature. Do not swallow or breathe vapor. Can cause respiratory irritation, dizziness, headache, nausea, unconsciousness. Avoid contact with skin, eyes or clothing. Can cause irritation and burns. **KEEP OUT OF REACH OF CHILDREN.**

**FIRST AID PROCEDURES:** Inhalation: Remove to fresh air, administer oxygen or artificial respiration. Contact physician. Eyes: Flush eyes with water for at least 15 minutes. Skin Contact: Wash with soap and water. Contact physician if irritation persists. Ingestion: Do not induce vomiting. Contact physician immediately.

Hazardous Ingredients: Toluene C.A.S. No. 108-88-3

**NOTICE TO PURCHASER:** The following warranty is in lieu of all other expressed or implied warranties, specifically all goods manufactured of first class materials and by competent workmen. We have no control over the use and application of the contents contained herein. Our liability shall not exceed the purchase price of this product.

das Manufacturing, Inc.  
3610 Cinnamon Trace Drive  
Valrico, Florida 33594  
(800) 549-6024 Phone (813) 681-5807 Fax



## PAINTING YOUR STORM DRAINS

### Painting

- A. Preparation
  - 1. Place drop cloth or newspaper in front of drains.
  - 2. Scrape metal, using wire brushes to remove any rust and dirt.
  - 3. Hold "Chesapeake Bay Drainage" stencil centered on the gutter-face of storm drain.
  - 4. Mark left and right edge of stencil with tape.
  - 5. Place tape along top edge of gutter-face (where vertical and horizontal edges meet) to prevent paint from getting on horizontal surface.
  - 6. Paint area between tape with white background paint.
- B. While paint in Step A is drying (allow 30-45 minutes):
  - 1. Center "Chesapeake Bay Drainage" stencil on background paint and hold (one person on each end.)
  - 2. Place newspaper around edges of stencil.
  - 3. Hold stencil in place and use spray in a back and forth motion across the letter.
- C. After white background paint is dry:
  - 1. Center "Chesapeake Bay Drainage" stencil on background paint and hold (one person each end).
  - 2. Place newspaper over "Don't Dump", so that spray paint does not ruin lettering.
  - 3. Paint message.
  - 4. Attach a "Wet Paint" sign.
- D. Clean-up:
  - 1. Remove tape and wet paint signs from each storm drain.
  - 2. Clean brushes using mineral spirits, cans and newspaper.
  - 3. Discard used newspaper in trash.
  - 4. Air out and wash rags and drop cloths to re-use.
  - 5. Re-use paint thinner by allowing used thinner to sit undisturbed for a day causing solids to settle. Strain through cheesecloth. Re-use liquid. Wrap solids in newspaper and discard in trash.

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### Helpful Hints

- 1. Allow three people per storm drain and fifty (50) minutes for drying time (it will take less time once you become familiar with the procedure.)
- 2. At least one (1) supervisor with any group. Watch for paint spilling.
- 3. To insure paint will dry, the weather should be around 50 degrees, dry, and not too windy.





## STORM DRAIN MARKERS CHECKLIST/SIGN-OUT LOG

- \_\_\_\_\_ Stencils set: "CHESAPEAKE BAY DRAINAGE" and "DON' T DUMP"
- \_\_\_\_\_ White background rust - proofing paint (1 quart = 20 drains)
- \_\_\_\_\_ Green enamel OSHA - approved spray paint (1 can - 6 drains) (**SUPPLY EXHAUSTED**)
- \_\_\_\_\_ Paint brushes
- \_\_\_\_\_ Wire brushes (1 or 2)
- \_\_\_\_\_ Masking tape (1 roll)

### YOU SUPPLY:

- 3 large cans with one end cut out- for clean - up of brushes
- mineral spirits/ paint thinner
- drop- cloths (old sheets work the best)
- screwdriver to open paint cans
- newspapers and rags
- volunteer labor

Name of Organization: \_\_\_\_\_ Date of project \_\_\_\_\_

Materials received

by: \_\_\_\_\_ on: \_\_\_\_\_

(Contact person for group/organization-please print)

Signed:

\_\_\_\_\_

Email Address \_\_\_\_\_ Telephone Number \_\_\_\_\_

**NOTE:** *Materials must be returned within four (4) weeks of check-out!*

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\*\*\*APPLICATION\*\*\*

STORM DRAIN MARKING PROJECT

FOR MONTGOMERY COUNTY

Organization Name:

Address:

City/State/Zip:

Project Leader/Supervisor:

Title:

Telephone Number: Home:

Work:

Location of Storm Drains:

Number of Storm Drains:

Neighborhood Association (which will be impacted by storm drain painting):

☐ I have contacted the president of the Neighborhood Association and advised them of this project.

President:

Telephone Number:

Signature of President:

Date:

☐ I have read and understood the attached instructions before marking storm drains.

Signature of Project Leader/Supervisor:

Date:

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Return to:  
KEEP MONTGOMERY COUNTY BEAUTIFUL PROGRAM  
Montgomery County Department of Public Works and Transportation  
Director's Office  
101 Monroe Street, 10th Floor  
Rockville, Maryland 20850

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